



ASTMH Parasitology Pre-Meeting Course: **Learning with the Innovators: Global Health Transformation Through Basic Science Interventions**

November 9, 2025

8:30 a.m. – 3:45 p.m. Eastern Time

University of Toronto

Toronto, Ontario, Canada

Integration of clinical and basic sciences is necessary to realize successful bench-to-public interventions. However, the steps involved in this process are rarely explicitly highlighted. This Pre-Meeting Course will do so as a way to expand participant and audience understanding of the pipeline of science, the interdependent and complementary roles of both basic and clinical sciences, and how the convergence of this understanding will enable better communication to increase outcome success.

**Course Organizers:**

*John H Adams, PhD, FASTMH, FAAAS, Distinguished University Professor, Director of USF Genomics Program, Co-Director of the Center of Global Health and Inter-Disciplinary Research, University of South Florida, Tampa, Florida, United States*

*Amanda Lukens, PhD, ACMCIP President, Research Scientist, Broad Institute of MIT and Harvard, Boston, Massachusetts, United States*

*Christy Petersen, DVM, PhD, FASTMH, Associate Dean for Research and Graduate Studies and Robert H. Rainier Endowed Chair in Industrial Veterinary Medicine and Research, Ohio State University, Columbus, Ohio, United States*

8:30 a.m. Check in and Continental Breakfast

9 a.m. – 9:15 a.m. **Welcome and Framing the Basic Science to Bedside Challenge**  
*John H Adams, PhD, FASTMH, FAAAS, Distinguished University Professor, Director of USF Genomics Program, Co-Director of the Center of Global Health and Inter-Disciplinary Research, University of South Florida, Tampa, Florida, United States*

9:15 a.m. – 9:45 a.m. **Funding opportunities for Translational to Clinic**  
*Osamu Kunii, MD, MPH, PhD, CEO and Executive Director, Global Health Innovative Technology Fund, Tokyo, Japan*

9:45 a.m. – 10:15 a.m. **Basic Science to Malaria Vaccine Development**  
*Takafumi Tsuboi, MD, PhD, Project Professor, Division of Cell-Free Sciences, Proteo-Science Center, Ehime University, Matsuyama, Japan*

- 10:15 a.m. – 10:45 a.m. **Accelerating Product Development: How NIAID Preclinical Resources Can Help**  
*CDR John Pesce, PhD, Program Officer, Preclinical Host Response & Immunity to Parasitic Infections, National Institute of Allergy and Infectious Diseases, Washington, DC United States*
- 10:45 a.m. – 11 a.m. **Coffee Break**
- 11 a.m. – 11:30 a.m. **Engineering Translation: A Nontraditional Approach to Scientific Innovation for Neglected Diseases**  
*Delali Attiogbe Attipoe, MB, MBA, Executive Director, Drugs for Neglected Diseases initiative North America (DNDi NA), New York, New York, United States*
- 11:30 a.m. – Noon **Navigating Regulatory Obstacles and Field Challenges**  
*Hira Nakhasi, PhD, FASTMH, Director of the Division of Emerging and Transfusion Transmitted Diseases, Office of Blood Research and Review (OBRR), Center for Biologics Evaluation and Research (CBER), Food and Drug Administration, Washington, DC United States*
- Noon – 12:30 p.m. **Translational Research to Affect Vector-borne Disease Control**  
*Lyric Bartholomay, PhD, Professor and Director, Midwest Center of Excellence for Vector-Borne Disease, University of Wisconsin, Madison, Wisconsin United States*
- 12:30 p.m. – 1 p.m. **Working Groups and Review Task**  
*Christy Petersen, DVM, PhD, FASTMH, Associate Dean for Research and Graduate Studies and Robert H. Rainier Endowed Chair in Industrial Veterinary Medicine and Research, Ohio State University, Columbus, Ohio, United States*
- 1 p.m. – 2 p.m. **Working Group Discussion and Lunch**
- 2 p.m. – 3 p.m. **Working Group Presentations**
- 3 p.m. – 3:45 p.m. **Networking and Reception**